



RECEIVED
MAY 20 2002
GROUP 3600

FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

ATTY. DOCKET NO:

60.1336/1551

SERIAL NO.:

09/881,333

APPLICANT:

BOYLE, Bruce W. et al.

EXAMINER:

FILING DATE:

June 14, 2001

GROUP:

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Exam Init.	Document Number	Date	Name	Class	Sub- class	Filing date if appropriate
JH	3,807,502	04/30/74	Heilhecker et al.	166	315	04/12/73
	3,957,118	05/18/76	Barry et al.	166	315	09/18/74
	4,126,848	11/21/78	Denison	340	18 LD	12/23/76
	4,605,268	08/12/86	Meador	339	16 C	11/08/82
	4,806,928	02/21/89	Veneruso	340	856	07/16/87
	4,901,069	02/13/90	Veneruso	340	853	02/14/89
	5,052,941	10/01/91	Hernandez-Marti et al.	439	194	10/01/91
	5,278,550	01/11/94	Rhein-Knudsen et al.	340	855.1	01/14/92
	5,521,592	05/28/96	Veneruso	340	854.8	07/20/94
	5,971,072	10/26/99	Huber et al.	166	297	09/22/97

FOREIGN PATENT DOCUMENTS

Exam Init.	Document Number	Date	Country	Class	Sub- class	Translation Yes No
JH	RU 2140537	18.12.97	Russia			XX
	WO 90/14497	29.11.90	PCT			XX

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

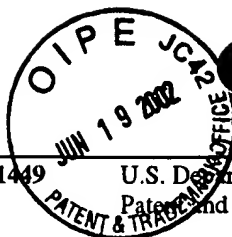
JH	(1)	http://www.netl.doe.gov/publications/press/1999/tl%5Fsmartdrill1.html U. S. Dept. of Energy Press Release, October 13, 1999, "DOE Selects California Small Business to Help Develop 'Smart Drilling System' for Oil & Natural Gas"
	(2)	THE OIL AND GAS JOURNAL, April 1978, pp 115-124, W. J. McDonald, "Four Different Systems Used for MWD"
	(3)	ACPT PRESENTATION, August 2000, Slide 25 of 29, "Cost Effective Composite Drill Pipe"

EXAMINER

DATE CONSIDERED

5/16/04

EXAMINER Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

COPY PAPERS
ORIGINAL FILED

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO: 60.1336/1551	SERIAL NO.: 09/881,333
	APPLICANT: BOYLE, Bruce W. et al.	EXAMINER:
	FILING DATE: June 14, 2001	GROUP: 3627

U.S. PATENT DOCUMENTS

Exam Init.	Document Number	Date *	Name	Class	Sub- class	Filing date if appropriate
JH	2,379,800	07/03/45	D. G. C. Hare	175	356	09/11/41
	2,414,719	01/21/47	R. T. Cloud	178	44	04/25/42
	3,079,549	02/26/63	P. W. Martin	324	1	07/05/57
	3,090,031	05/14/63	A. H. Lord	340	18	09/29/59
	4,445,734	05/01/84	Cunningham	339	16C	12/04/81
	4,914,433	04/03/90	Galle	340	854	04/19/88

FOREIGN PATENT DOCUMENTS

Exam Init.	Document Number	Date	Country	Class	Sub- class	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RECEIVED

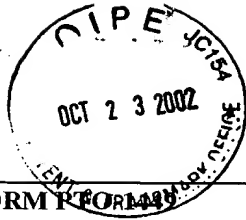
JUN 27 2002

GROUP 3600

EXAMINER / C M L	DATE CONSIDERED 5/16/04
----------------------------	-----------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

* All dates in 1900s.



FORM P-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>	ATTY. DOCKET NO: 60.1336/1551	SERIAL NO.: 09/881,333
	APPLICANT: BOYLE et al.	EXAMINER: J. M. Hewitt
	FILING DATE: June 14, 2001	GROUP: 3679

U.S. PATENT DOCUMENTS

Exam Init.	Document Number	Date	Name	Class	Sub- class	Filing date if appropriate
JH	5,008,664	4/16/91 ¹⁹	More et al.	340	854	1/23/90

FOREIGN PATENT DOCUMENTS

Exam Init.	Document Number	Date	Country	Class	Sub- class	Translation Yes No
JH	1 158 138 A2	28.11.2001	EP	E21B	47/12	

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant